

# WPI

- TI - Mould appts. to form optical element e.g. lens - has film covered on surface of mould, to contact resin layer of element, film comprising diamond, graphite or amorphous carbon@
- AB - J04089212 The raw material for the element is a fluidic resin or rubber. Mould appts. allows a moulding to be easily released, without using any mechanical force, including ultrasonic vibration.
  - A film is covered on the surface of, at least, a part of a mould to contact with the resin layer of the element. The film is made of C, e.g., amorphous C, diamond or composite of diamond, graphite and amorphous C. The mould may be made of a ceramic, metal, or plastic material.
  - USE - For making lenses(Dwg.0/6)
- PN - JP4089212 A 19920323 DW199218 007pp
- PR - JP19900203970 19900802
- PA - (CANO ) CANON KK
- MC - A11-B01 A12-L02A M13-E02 M13-F02
- DC - A32 A89 M13
- IC - B29C33/38 ;B29L11/00 ;C23C14/06
- AN - 1992-147406 [18]

# PAJ

- TI - MOLD MATERIAL FOR MOLDING OPTICAL ELEMENT
- AB - PURPOSE:To enable mold release to be carried out easily by covering the surface of a mold parent material being in contact with a resin layer with a carbon film.
  - CONSTITUTION:Resin is charged into a gap between a mold parent mold 1 and a glass lens 5, and the resin is cured so that a resin layer 4 is formed on the lens 5. In this instance, the mold parent material 1 is covered with a carbon film 2. The carbon film 4 means an amorphous carbon film, a diamond film, and a film wherein an amorphous carbon is contained with graphite and diamond in various ratios. These carbon films are formed in such a way that carbon-containing gas and carrier gas are excited by the use of an ion beam method, a microwave CVD method, a heat filament method, and the like, or the targets of graphite or diamond are sputtered by ion beams. In this manner, a molding can be released without being deformed easily.
- PN - JP4089212 A 19920323
- PD - 1992-03-23
- ABD - 19920709
- ABV - 016314
- AP - JP19900203970 19900802
- GR - M1278
- PA - CANON INC
- IN - KURIHARA NORIKO; others: 01
- I - B29C33/38 ;C23C14/06
- SI - B29L11/00

